

ABSTRACT OF THE DISCLOSURE**METHOD, SYSTEM, AND PRODUCT FOR PROXY-BASED METHOD TRANSLATIONS FOR MULTIPLE DIFFERENT FIRMWARE VERSIONS**

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The present invention is a method and system for translating method calls to version-specified method calls. An interface to an underlying object is provided. Applications communicating with the underlying object use the interface. The interface is separate from the underlying object. Version-specific underlying objects are generated. Each one of the version-specific underlying objects is a different version of the underlying object. A plurality of translation objects, one for each version-specific underlying object, are generated for communicating between the interface and each one of the version-specific underlying objects. A translation object is used for translating an interface method call invoked on the interface to a version-specific method call for the underlying object for each version of the underlying object.

10 All translation objects are generated from a single proxy class and a single invocation handler class. The same proxy class and the same invocation handler class are used to generate the translation object for each different version of the underlying object.

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